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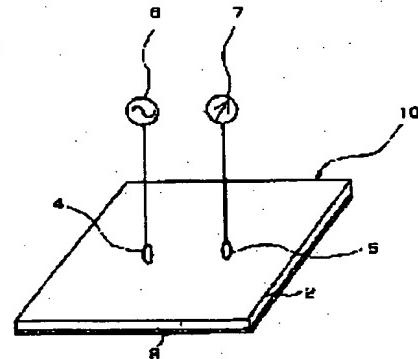
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## (54) COMPOSITE MAGNETIC BODY AND ELECTROMAGNETIC INTERFERENCE SUPPRESSOR USING THE SAME

## (57)Abstract:

PROBLEM TO BE SOLVED: To provide a composite magnetic material which is thin to effectively suppress interference of electromagnetic waves inside a high-frequency system, such as, a mobile communication system, and is capable of easily giving flexibility and dealing with complex shapes and demand for high vibration/shock resistance property, and to provide a manufacturing method therefor and an electromagnetic interference suppressor using the composite magnetic material.

SOLUTION: A composite magnetic material 2 used for an electromagnetic interference suppressor 10 has at least two types of magnetic resonance modes caused by anisotropic magnetic fields ( $H_k$ ) of different sizes. This composite magnetic material is manufactured by mixing at least two types of soft magnetic material powder differing in magnetic anisotropy together with an organic bond, and molding a composite magnetic body with the mixture.



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